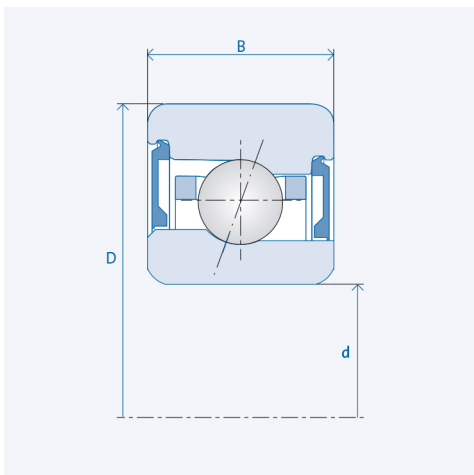


Spindle ball bearings (HY)* KH 61900 C



Precision class P4 / ABEC7

Components

Bearing designation:	(HY)* KH 61900 C
Bearing design:	KH
Series / size:	61900
Ball material:	Steel 100Cr6
Ball material HY :	Ceramic Si3N4
Cage:	TA (TXM available upon request)
Seal:	2RZ upon request
Precision:	P4 (HG, UP, P2 upon request)
Main dimensions [d x D x B]:	10 x 22 x 6 mm

Technical data (Standard bearings)

Static load capacity C_0 :	590
Dynamic load capacity C:	1420
Speed limit n_{Fett} :	101250
Speed limit n_{Oj} :	135000

Technical data (Hybrid bearings)*

Static load capacity C_{0HY} :	415
Dynamic load capacity C_{HY} :	1420
Speed limit n_{Fett} :	126562.5
Speed limit n_{Oj} :	168750

Pre-tension

Light (L):	7 N
Axial rigidity (C_{ax}):	12 N/ μ m
Medium (M):	21 N
Axial rigidity (C_{ax}):	18 N/ μ m
Heavy (S):	45 N
Axial rigidity (C_{ax}):	25 N/ μ m
Spring preload (Ff):	55 N

The given speed limits apply to individual bearings with spring preload. Correction factors must be considered for all properties which deviate from this.

* All ball bearings are also available as hybrid ball bearings (HY).